

## ABSTRACT

A punching apparatus is provided which can ~~of~~ punch a  
5 non-circular holes at a predetermined position of a work piece. In the  
punching apparatus for punching a hole by means of a punch integrated  
into any one of the moving part of a press working machine or the  
supporting part of the press working machine, and a die integrated with  
the other one of the moving part and the supporting part; each of the punch  
10 and the die has plurality of planes to be fitted with datum planes of a  
fitting jig. ~~The punching unit for the punching apparatus comprises a~~  
punch, a die, and a fitting jig for positioning the punch and the die with  
respect to each other, wherein each of the punch and the die has plurality  
of faces for fitting and the fitting jig has datum planes to be fitted with the  
15 planes for fitting of the punch and the die.